

# **VALIDATION OF AURA REMOTE MEASUREMENTS**

Proposal submitted in response to NRA NNH04ZYS004N

P. I.        Frank Schmidlin  
              Instrumentation Science Branch (614.6)  
              GSFC/Wallops Flight Facility  
              Tel: 757 824 1618  
              Fax: 757 824 1036  
              E-mail: [fjs@osb.wff.nasa.gov](mailto:fjs@osb.wff.nasa.gov)

## PROPOSED

### Validation Measurements from Wallops Island:

- + Criteria for **Ozonesonde weekly** observation
  - scheduled release 45 minutes prior to AURA overpass
  - within 2 Degrees radial latitude (i.e., ~110km), but not greater than 500 km.

(if the above criteria can not be met, there will be an ozonesonde released on Wednesday)

- + Two nighttime ozonesondes per month
- + Total column ozone from Dobson and GUV instruments

### Validation measurements from Natal, Brazil and Ascension Island:

- same criteria as above for weekly observations from Wallops Island

Other aspects proposed but not expected to be funded were water vapor measurements from Wallops Island, and ozonesonde measurements from the ARM (SGP and NSA) sites for TES

## **DATA AVAILABILITY**

Ozone data from Wallops Island, Natal, and Ascension Island are processed and quality checked at Wallops before distributing

After adding METADATA traceable to instrument, measurement, and/or questionable information, the files will be posted in the AVDC and NDSC archive files monthly

Natal and Ascension Island Data also will be available in the SHADOZ format and posted in the SHADOZ archive Files

Requirements for the data to be made available earlier, or whether there are questions about the data files please contact: Frank Schmidlin ([fjs@osb.wff.nasa.gov](mailto:fjs@osb.wff.nasa.gov))